

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (currently amended) A magnetoresistive speed sensor comprising a permanent magnet and a magnetic field detecting sensor for detecting the speed of an object rotating about an x-axis, wherein _____the magnetoresistive speed sensor has a measuring direction, characterized in that the measuring direction is aligned parallel with the x-direction, and two magnetic field detecting sensors are disposed on a y-axis essentially in the direction of the movement of the nearest portion of the object at a distance from one another and perpendicular to the measuring direction.
2. (previously presented) A magnetoresistive speed sensor as claimed in claim 1, characterized in that the magnetic field detecting sensors are disposed symmetrically in relation to the x-axis on the y-axis.
3. (previously presented) A magnetoresistive speed sensor as claimed in claim 1, characterized in that each of the magnetic field detecting sensors is a Wheatstone bridge.
4. (previously presented) A magnetoresistive speed sensor as claimed in claim 1, characterized in that each of the magnetic field detecting sensors is a half bridge.
5. (previously presented) A magnetoresistive speed sensor as claimed in claim 1, characterized in that the permanent magnet has a magnetic field component in the x-direction.
6. (previously presented) A use of a magnetoresistive speed sensor as claimed in claim 1, in automotive engineering.

7. (previously presented) The use of a magnetoresistive speed sensor as recited in claim 6, wherein the automotive engineering includes at least one of the following: crankshaft speed monitoring, camshaft speed monitoring, or monitoring of an anti-lock braking (ABS) system.
8. (previously presented) A magnetoresistive speed sensor comprising a permanent magnet and a magnetic field detecting sensor for detecting the speed of an object rotating about an x-axis, wherein
the magnetoresistive speed sensor has a measuring direction, characterized in that the measuring direction is aligned parallel with the x-direction, and two magnetic field detecting sensors are disposed at a distance from one another symmetrically in relation to the x-axis on the y-axis and perpendicular to the measuring direction.
9. (previously presented) The magnetoresistive speed sensor as recited in claim 8, wherein each of the magnetic field detecting sensors is a Wheatstone bridge.
10. (previously presented) The magnetoresistive speed sensor as recited in claim 8 wherein each of the magnetic field detecting sensors is a half bridge.
11. (previously presented) The magnetoresistive speed as recited in claim 8, wherein the permanent magnet has a magnetic field component in the x-direction.
12. (previously presented) The magnetoresistive speed as recited in claim 9, wherein the permanent magnet has a magnetic field component in the x-direction.
13. (previously presented) The magnetoresistive speed as recited in claim 10, wherein the permanent magnet has a magnetic field component in the x-direction.
14. (previously presented) A magnetoresistive speed sensor comprising,
a permanent magnet having a magnetic field component in the x-direction; and

a magnetic field detecting sensor for detecting the speed of an object rotating about an x-axis, the magnetic field detecting sensor being a Wheatstone bridge, wherein the magnetoresistive speed sensor has a measuring direction, characterized in that the measuring direction is aligned parallel with the x-direction, and two magnetic field detecting sensors are disposed at a distance from one another symmetrically in relation to the x-axis on the y-axis and perpendicular to the measuring direction.